

Calculations

| Mine Vent Results | | | | | | | | |
|--|-----------|-------|-------|-------|-------|-------|---------|--------------|
| November 15, 1996. Results of one vent, at 389,900 acfm (299,900 dscfm) | | | | | | | | |
| Production of 11,837 tons ore/day (493.2083 TPH). | | | | | | | | |
| Expansion average of 3.6 MM TPY ash X 1.6 ore:ash = 5.76 TPY ore, = 657.5342 TPH ore at 1,500,000 acfm | | | | | | | | |
| Calc's based on increased tonnage. | | | | | | | | |
| GC/MS | Nov, 1996 | Run 1 | | Run 1 | Run 2 | Run 2 | Average | Average |
| Compound | ppm | | PPH | ppm | PPH | ppm | PPH | PPH |
| Benzene | | 0.01 | 0.04 | 0.05 | 0.19 | 0.03 | 0.11 | 0.29 |
| 2-Butanone | | 0.1 | 0.34 | 0.07 | 0.24 | 0.09 | 0.29 | 0.77 |
| Hexane | | 0.05 | 0.2 | 0.03 | 0.12 | 0.04 | 0.16 | 0.43 |
| Styrene | | 0.003 | 0.01 | 0.01 | 0.05 | 0.01 | 0.03 | 0.08 |
| Toluene | | 0.22 | 0.96 | 0.21 | 0.92 | 0.22 | 0.94 | 2.51 |
| Xylene | | 0.65 | 3.21 | 0.66 | 3.28 | 0.65 | 3.25 | 8.67 |
| Total | | | | | | | | 12.75 |
| THC | | 451.1 | 927.1 | 467.5 | 964.4 | 459.3 | 945.7 | 2521.57 |
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Calculations

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| July 25, 1996. Results of one vent, at 747,500 acfm (586,000 dscfm) | | | | | | |
| Production of 9,692.8 tons ore/day (403,8667 TPH). | | | | | | |
| Expansion average of 3.6 MM TPY ash X 1.6 ore:ash = 5.76 TPY ore, = 657.5342 TPH ore | | | | | | |
| at 1,500,000 acfm | | Calc's based on increased tonnage. | | | | |
| GC | | | | | 3ppm CO @ 750,000 acfm | |
| July, 1996 | Run 1 | | Run 1 | Expansion | mine sampling | Expansion |
| Compound | ppm | | PPH | PPH | | |
| Benzene | | 0.28 | 2.02 | 3.29 | CO | 3 |
| 2-Butanone | | 0 | 0 | 0.00 | | 7.5 |
| Hexane | | 0.2 | 1.59 | 2.59 | | |
| Styrene | | 0.41 | 3.94 | 6.41 | | |
| Toluene | | 0.65 | 5.44 | 8.86 | | |
| Xylene | | 1.23 | 11.94 | 19.44 | | |
| Ethylbenzene | | 0.17 | 1.66 | 2.70 | | |
| Methane | | 414.21 | 606.29 | 987.10 | | |
| Ethane | | 11.67 | 32.01 | 52.12 | | |
| Total HAPs | | 2.94 | 26.59 | 43.29110169 | | |
| Total Met & Eth | | 425.88 | 638.3 | 1039.214374 | | |

Solvay Minerals Mine Vent Emissions Expansion

Solvay Minerals, Inc. Mine Vent Emissions Expansion Project